

## Practice N° 3 — Preparing dissolutions

### Aim

Learning how to prepare a dissolution with a given concentration.

### Material

Beaker, NaCl, Pipette, Erlemeyer

### Procedure

We want to prepare 250 cm<sup>3</sup> of a dissolution 0,25 M of NaCl starting from the commercial NaCl; and then 250 cm<sup>3</sup> of a dissolution 0,1 M from the first one.

A) Calculate the amount of solute needed to prepare the first dissolution. Remember the following expressions:

$$M = \frac{n_s}{V_D}$$

$$m_m = n_s \times m$$

B) Add the solute to a volume of water smaller to the final one, and fill to the desired volume once you have dissolved it.

C) To prepare the second dissolution, you must calculate the volume of the first one that you must take to fill later until 250 cm<sup>3</sup>. Use a pipette to take the dissolution. DO NOT ABSORB WITH YOUR MOUTH.

Make here your calculations

Teacher Notes: